1/6

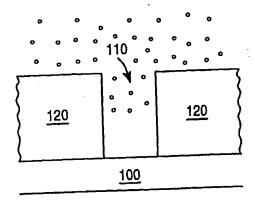


FIG. 1A

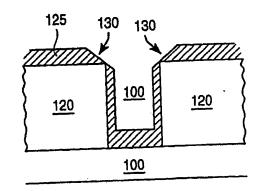


FIG. 1B

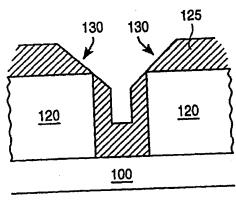


FIG. 1C

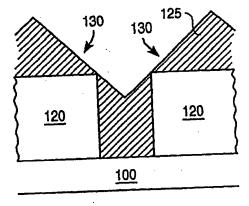


FIG. 1D

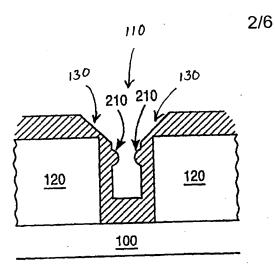


FIG. 2

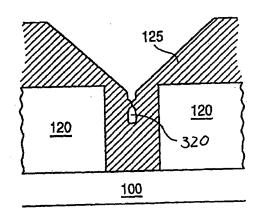


FIG. 3

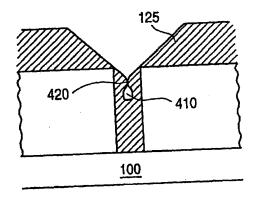


FIG. 4

Inventor: Hua Ji Atty. Docket No.: M-12589 US

3/6

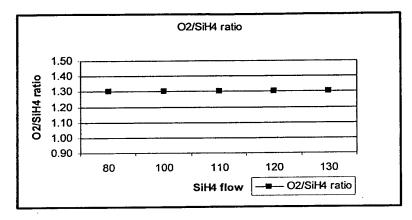


FIG. 5

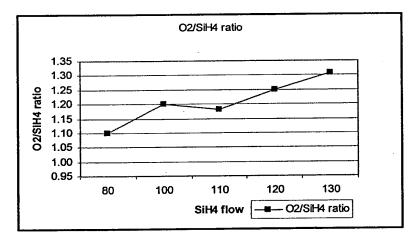


FIG. 6

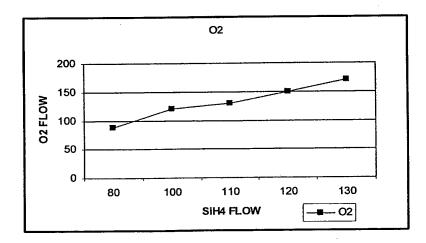


FIG. 7

Ratio Trench

4/6

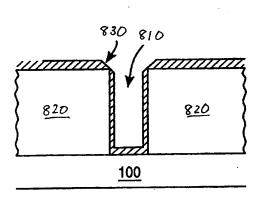
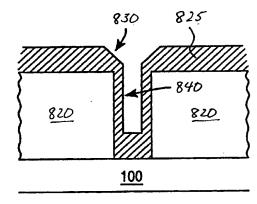


FIG. 8A



F 1G. 8B

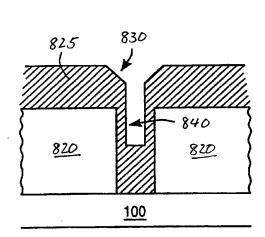


FIG. 8C

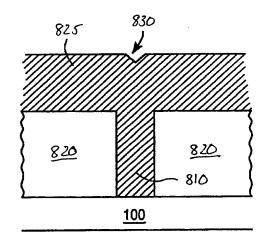
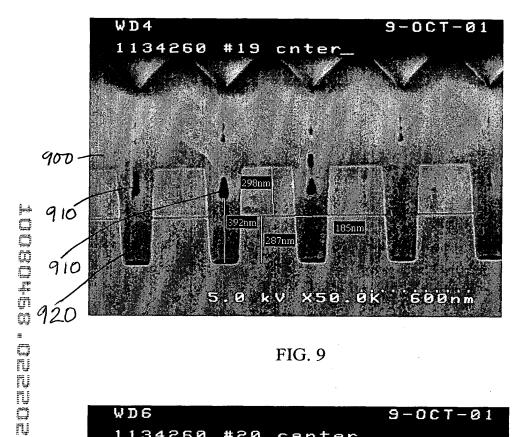


FIG. 8D

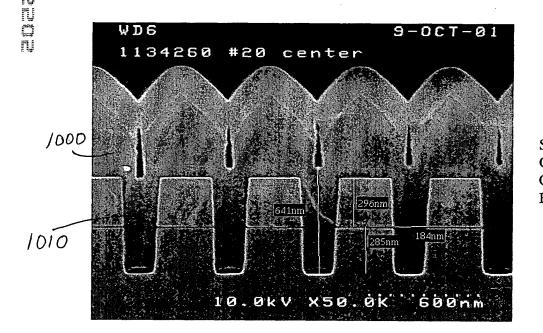
Atty. Docket No.: M-12589 US

5/6



SiH₄: 130sccm O₂: 170sccm O₂ / SiH₄: 1.31 E/D: 0.07

FIG. 9

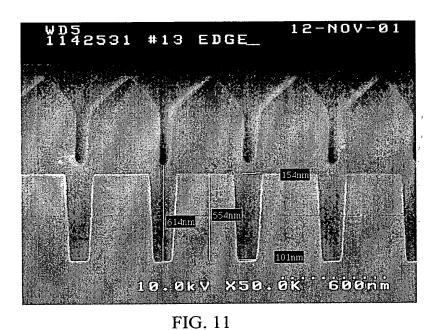


SiH₄: 120sccm O₂: 150sccm O₂ / SiH₄: 1.25 E/D: 0.041

FIG. 10

Ratio Trench

6/6



Top CD: 0.15 μm Bottom CD: 0.10 μm Aspect Ratio: 4.3